

XENON™ ULTRA 1960G

Corded Handheld Scanner

Today's retailers consistently face increasing demands for a seamless and memorable customer service. In order to achieve the efficiency needed to create elevated customer experiences, retailers need a scanning solution that empowers associates to move through their workflows precisely and without impedance.

The Xenon Ultra for retail is a premium evolution of the widely known legacy Xenon and Xenon XP general purpose scanners, taking our industry-leading scan performance and reliability one step further.

The Xenon Ultra 1960g incorporates Honeywell's next generation of scanning capability – allowing retailers to stay productive and keep customer service as their top priority. With optional dual-camera extended range (XR) models, retailers can use the scanner for both up-close and extended, bottom-of-the-basket scanning.

Available in a cordless Bluetooth configuration which offers premium accessory upgrades such as interchangeable power sources, contactless charging and magnetic retention capabilities.



Superior scanning performance, even on damaged and poor-quality barcodes, regardless of presentation, reduces wasted seconds from every retail transaction.

FEATURES AND BENEFITS



In addition to a green-dot aimer to visibly enhance targeting and improve scan accuracy, the newly engineered and innovative scan platform empowers snappy scanning operations.



The modern design exhibits an improved aesthetic, and the enhanced user experience and durability businesses depend on.



The flexible XR supports most scanning use cases in a single device without compromising range or speed, helping retailers get more done while managing fewer device types.



Utilize the cable from your existing deployment of the Xenon XP 1950g on your new deployment of Xenon Ultra 1960.



The Honeywell Scanner Management Utility (SMU) creates a holistic solution that helps automate how you deploy and update the scanners in your environment.

Xenon Ultra 1960g Technical Specifications

MECHANICAL

Dimensions:

108.2 mm x 70.4 mm x 160.2 mm
(4.3 in x 2.8 in x 6.3 in)

Weight: 147.2 g (5.2 oz)

Input Voltage: 1960: 4.4V DC to 5.5V DC

Operating Power (Charging) Bases: 2.5W
(500 mA @ 5V DC)

Host System Interfaces: USB, Keyboard
Wedge, RS-232

User Indicators: Good Decode LEDs,
Rear View LEDs, Beeper (adjustable tone
and volume)

ENVIRONMENTAL

Operating Temperature: 0°C to 50°C
(32°F to 122°F)

Storage Temperature: -40°C to 70°C
(-40°F to 158°F)

Humidity: 0% to 95% relative humidity,
non-condensing

Tumble: 2,000 at 0.5 m (1.6 ft)

Mil Spec Drop: 3.0 m (10 ft)

Drop (Multiple): 1.8 m (6 ft) to concrete
across operating temp range

ESD (Scanners and Cradles): ±8 kV

indirect coupling plane, ±15kV direct air

Environmental Sealing (Scanner): IP52

Light Levels: 0 to 100,000 lux

SCAN PERFORMANCE

Image Sensor: 1280 x 1080 pixel array

Motion Tolerance:

SR/XR – 4 m/sec

HD – 4 m/sec

Imager Field of View:

SR/HD – Horizontal: 42°; Vertical: 36°

Print Contrast: As low as 15%

Roll, Pitch, Skew: ±360°, ±65°, ±65°

Decode Capabilities: Reads standard 1D,
PDF, 2D, Postal Digimarc, DOT Code, and
OCR symbologies

Note: Decode capabilities dependent
on configuration

Illumination: White 2700K

LED aimer light source: 525 nm

Image Quality: 109 PPI on an A4 document

Object Detection: Configurable

3" default when placed in stand

6" with configuration change when placed
in stand

WARRANTY

1960 (Corded): 5-year factory warranty

For a complete listing of all compliance
approvals and certifications, please visit
www.honeywell.com/PSScompliance

For a complete listing of all supported
barcode symbologies, please visit
www.honeywell.com/PSS-symbologies

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of Honeywell International Inc. in the
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of their respective owners.

DECODE RANGES (DoF)

TYPICAL PERFORMANCE*	STANDARD RANGE (SR)	HIGH DENSITY (HD)
NARROW WIDTH		
3 mil Code 39	34 mm – 174 mm (1.34 in – 6.85 in)	18 mm – 174 mm (0.71 in – 6.84 in)
5 mil Code 39	23 mm – 311 mm (0.91 in – 12.24 in)	7 mm – 295 mm (0.29 in – 11.62 in)
10 mil Code 39	0 mm – 651 mm (0 in – 25.63 in)	0 mm – 548 mm (0 in – 21.57 in)
13 mil UPC	0 mm – 654 mm (0 in – 25.75 in)	0 mm – 502 mm (0 in – 19.77 in)
7.5 mil Code 128	6 mm – 367 mm (0.24 in – 14.45 in)	0 mm – 345 mm (0 in – 13.6 in)
15 mil Code 128	0 mm – 728 mm (0 in – 28.66 in)	0 mm – 563 mm (0 in – 22.17 in)
20 mil Code 39	4 mm – 1115 mm (0.16 in – 43.9 in)	4 mm – 814 mm (0.17 in – 32.07 in)
5 mil PDF417	45 mm – 176 mm (1.77 in – 6.93 in)	22 mm – 173 mm (0.86 in – 6.82 in)
6.7 mil PDF417	22 mm – 229 mm (0.87 in – 9.02 in)	8 mm – 237 mm (0.32 in – 9.32 in)
5 mil DM**	n/a	35 mm – 113 mm (1.39 in – 4.43 in)
7.5 mil DM**	34 mm – 188 mm (1.34 in – 7.4 in)	16 mm – 183 mm (0.62 in – 7.19 in)
10 mil DM**	12 mm – 273 mm (0.47 in – 10.75 in)	2 mm – 249 mm (0.76 in – 9.8 in)
10 mil QR	11 mm – 262 mm (0.43 in – 10.32 in)	1 mm – 230 mm (0.05 in – 9.07 in)
20 mil QR	0 mm – 495 mm (0 in – 19.49 in)	0 mm – 392 mm (0 in – 15.43 in)

* Performance may be impacted by barcode quality and environmental conditions.

** Data Matrix (DM)

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Honeywell



XENON™ ULTRA 1962G

Cordless Bluetooth® Handheld Scanner

Continuing the legacy of barcode technology, Honeywell's Xenon Ultra delivers enhanced scan performance and premium features for retailers.

The Xenon Ultra 1962g incorporates Honeywell's next generation of scanning capability – allowing retailers to stay productive and keep customer service as their top priority.

Freedom of movement around POS terminals, conveyors, and customers is a continued challenge for today's retail associates. As more technology is packed into the streamlined modern-day POS station, free space is at a premium. The Xenon Ultra cordless scanner can help ensure that your associates' attention is kept on maximizing customer experience by eliminating wasted time managing cables and having more space for completing transactions.

One scanner can now accept multiple power sources. Available with a battery-free supercapacitor or standard lithium-ion battery, both power options are also available in contactless orientations.

The battery-free technology runs on supercapacitors instead of a battery and is capable of achieving a full charge in less than four minutes via the USB Port (under 60 seconds when using a powered USB port or external wall adapter). The Xenon Ultra 1962g-BF scanner typically provides at least 450 scans without recharging. This makes the scanner ideal for applications such as self-checkout or as a secondary scanner to a bioptic scanner.



Enhanced scanning performance, even on damaged and poor-quality barcodes, regardless of presentation, reduces wasted seconds from every retail transaction.

All models come with disinfectant-ready housings. These models can be cleaned regularly with a wide variety of cleaning solutions without damaging your product. See Honeywell website for list of approved cleaners.

FEATURES AND BENEFITS



In addition to a green-dot aimer to visibly enhance targeting and improve scan accuracy, the newly engineered and innovative scan platform empowers snappy scanning operations.



The Xenon Ultra 1962 battery and battery-free are available in a premium contactless version, helping reduce the number of failed devices due to corrosion.



Supercapacitors hold their charge for hours when fully charged. So operators who forget to place their scanner in the charger prior to break may not impact operations upon return.



The Xenon Ultra 1962 scanner can accept a lithium-ion battery or a battery-free supercapacitor, allowing enterprises to have mixed device pools and flexibility in their fleets.



Two independently configurable recharge alerts remind the operator to place the scanner back into the base for charging, ensuring continuous operation.

Xenon Ultra 1962g Technical Specifications

MECHANICAL

Dimensions (LxWxH):

Scanner:
108.2 mm x 70.4 mm x 160.2 mm
(4.3 in x 2.8 in x 6.3 in)

Presentation Base:
82.9 mm x 90.4 mm x 121.6 mm
(3.3 in x 3.6 in x 4.8 in)

Desktop/Wall Mount Base:
211.3 mm x 74.2 mm x 77.7 mm
(8.3 in x 2.9 in x 3.0 in)

Weight:

Lithium-ion Scanner:
247 g / 255 g (contactless)

Battery Free Scanner:
218 g / 227 g (contactless)

Presentation Base:
214 g / 220 g (contactless)

Desktop/Wall Mount Base:
223 g / 229 g (contactless)

Operating Power (Charging) Bases:

2.5W (500 mA at 5 V DC) Standard USB
10W (2A at 5V DC) – when utilizing power adapter

Non-Charging Power (Bases): 0.75W (150 mA at 5V DC)

Host System Interfaces: USB, Keyboard Wedge, RS-232

ENVIRONMENTAL

Operating Temperature:

Scanner: 0°C to 50°C (32°F to 122°F)

Bases: Charging: 5°C to 35°C
(41°F to 95°F)

Non-Charging: 0°C to 50°C
(32°F to 122°F)

Storage Temperature: -40°C to 70°C
(-40°F to 158°F)

Humidity: 0% to 95% relative humidity, non-condensing

ESD (Scanners and Cradles): ±8 kV indirect coupling plane, ±15 kV direct air

Drop: Engineered to withstand 50 drops at 1.8 m (6 ft) to concrete across operating temp range

Mil Spec Drop: 8 ft

Tumble: 2,000 at 0.5 m (1.6 ft)

Environmental Sealing (Scanner): IP52

Environmental Sealing (CCB): IP41

Light Levels: 0 – 100,000 lux

SCAN PERFORMANCE

Image Sensor: 1280 x 1080 pixel array

Motion Tolerance:
SR/HD – 4 meters/second

Imager Field of View:
SR/HD – Horizontal: 42°; Vertical: 36°

Print Contrast: As low as 15 %

Roll, Pitch, Skew: ±360°, ±65°, ±65°

Decode Capabilities: Reads standard 1D, PDF, 2D, Postal Digimarc, DOT Code, and OCR symbologies

Note: Decode capabilities dependent on configuration

Illumination: White 2700K

LED aimer light source: 525 nm

Image Quality: 109 PPI on an A4 document

Object Detection:

Configurable for 3 in or 6 in 1962 Cordless Scanner (refer to user's manual)

WIRELESS

Radio/Range: 2.4GHz Bluetooth radio v4.2 with Adaptive Frequency Hopping. Class 1: 100 m line of sight (default), programmable to Class 2: 10 m line of sight BLE available

POWER OPTIONS

Specifications the same for Xenon Ultra 1962 Contact and Contactless models

Battery: (based on default settings) – data based on utilization of power adapter

Capacity: 3300 mAh Li-ion (min)

Number of Scans (1scan/sec): up to 80,000 scans per charge

Expected Duration of Operation: 22 hrs

Expected Charge Time: 4.5 hrs

Battery-free Supercapacitor:

(based on default settings) – data based on utilization of power adapter

Expected full charge time: < 60 seconds

Number of scans fully charged: 450

Charge Cycles: 500,000

*Supports USB BC1.2 charge ports, up to 2x faster charge rate

User Indicators: Good Decode LEDs, Rear View LEDs, Beeper (adjustable tone and volume), Charge Status LED Indicators, Battery LED indicator, Find my scanner button

Disinfectant Ready Housing (DRH) on all 1962g models

WARRANTY

1962 (cordless):

Scanner: 3 year factory warranty

Supercapacitor: 5 year factory warranty

Lithium-ion Battery Pack: 1 year

For a complete listing of all compliance approvals and certifications, please visit www.honeywell.com/PSScompliance

For a complete listing of all supported barcode symbologies, please visit www.honeywell.com/PSS-symbologies

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** Data Matrix (DM)

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